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10/560,530

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Shigefumi Wada

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22852

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EXAMINER

PARKER, BRANDON

ART UNIT

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/560,530	<b>Applicant(s)</b> WADA ET AL.	
	<b>Examiner</b> BRANDON PARKER	<b>Art Unit</b> 2174	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____.                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date ____.  | 6) <input type="checkbox"/> Other: ____.                          |

### DETAILED ACTION

*The examiner acknowledges the applicant's submission on 11/20/2007 wherein claims 1, 2, 4-11, 13 and 14 have been amended, claim 3 has been canceled and claims 1-17 remain pending in the application.*

### **Claim Rejections - 35 USC § 102**

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-10, 12, 13 and 16 are rejected under 35 U.S.C. 102(e) as being anticipated by Li et al (US Patent No. 6,643,825 hereinafter, "Li").

**Regarding claim 1**, Li discloses storage medium storing a key task processing program which, when executed by a computer system (Col. 4 lines 14-24) executes key task processing by using an OS (Col. 3 lines 23-39) and an key task processing database, characterized in that the key task processing program causes the computer terminal to(Col. 4 lines 4-13): **accept a connection, via a network (Fig. 1A Drawing), from a user terminal; determine whether a display format of the user terminal is dependent on an operating system** (Col. 1 lines 14-21, Col. 4 lines 14-19); display a screen (i.e. show all fields) in window format, **using functionality of the operating system** (Col. 1 lines 14-21, Col. 4 lines 14-19), on a display section of **the** user terminal

(i.e. terminal window format), (Col. 6 lines 28 and 29) **if it is determined that the display format is dependent on an operating system** (Col. 1 lines 14-21, Col. 4 lines 14-19); and display a screen in web format, **using a web browser**, on the display section of the user's user terminal **if it is determined that the display format is not dependent on an operating system**. (Col. 6 lines 2-6, Col. 5 lines 30-32). **Note:** It is inherent that columns and rows saved in a table would be done so with a key task-processing database (415, 420, 425 Fig. 4 Drawing, Col. 12 lines 39-52):

**Regarding claim 2**, Li discloses **a storage medium storing** a key task processing program which, **when executed by a computer system** (Col. 4 lines 14-24) executes a key task processing by using an OS (Col. 3 lines 23-39) and a key task processing database, the key task processing program causing the computer terminal to (Col. 4 lines 4-13); **accept a connection, via a network, from a user terminal; determine whether a display format of the user terminal is dependent on an operating system** (Col. 1 lines 14-21, Col. 4 lines 14-19); display the screen (i.e. show all fields) in window format, **using functionality of the operating system**, on a display section of the user terminal (i.e. terminal window format), (Col. 6 lines 28 and 29) **if it is determined that the display format is not dependent on an operating system** (Col. 1 lines 14-21, Col. 4 lines 14-19); and display the screen in web format using a web browser on the display section of the user's user terminal **if it is determined that the display format is dependent on an operating system** (Col. 6 lines 2-6, Col. 5 lines 30-32, Col. 1 lines 14-21, Col. 4 lines 14-19); **Note:** It is inherent that columns and rows

saved in a table would be done so with a key task-processing database (415, 420, 425 Fig. 4 Drawing, Col. 12 lines 39-52), wherein the user terminal (i.e. to provide terminal emulation), (Col. 1 lines 15-21) ; allocates input assisting functions preset to a plurality of predetermined keys on a keyboard of the user terminal (i.e. function key selection list, Col. 6 lines 45 and 46, Col. 4 lines 19-25), displays the names of the input assisting functions (F1, Fig. 1C Drawing), and when a detection is made that the predetermined keys are pressed down or the names of the input assisting functions are selected, executes the input assisting functions (i.e. function carried out), (Col. Lines 19-25).

**Regarding claim 4**, Li discloses the storage medium according to any one of claims 1 to 2, characterized in that the input assisting functions displayed on the screen in window format or the screen in web format allocate input assisting functions (window format, Fig. 5 Drawing) related with the screen currently displayed (i.e. reformatted screen, Col. 13 lines 14-20).

**Regarding claim 5**, Li discloses the storage medium according to claim 4, characterized in that the input assisting functions displayed on the screen in window format or the screen in web format allocate input assisting functions (window format, Fig. 5 Drawing) related with **a cursor** (i.e. position and length data) on the screen currently displayed (Col. 12 lines 60-66).

**Regarding claim 6**, Li discloses a storage medium according to any one of claims 1 to 2, characterized in that the key task processing program includes one or more of a finance and accounting program, a payroll calculating program, a sales management

program, a purchase control program, a stock control program, a tax declaration program, a fixed asset control program, a cost management program, a client management program, a human resource management program, and an electronic banking program (stock control program, Fig. 1C Drawing) .

**Claim 16** is similar in scope to claim 6 therefore the claim is rejected for at least the same reason.

**Regarding claim 7**, Li discloses a key task processing system for transmitting/receiving data to/from a user terminal of a user via a network, comprising: a key task processing database that stores data for executing key task processing (Col. 3 lines 33-39, Col. 4 lines 4-24, Fig. 1A Drawing) of a company (Fig. 1C Drawing); a key task processing means for executing the key task processing by using the data in the key task processing database, **Note**: It is inherent that columns and rows saved in a table would be done so with a key task-processing database (415, 420, 425 Fig. 4 Drawing, Col. 12 lines 39-52), **means for determining whether a display format of a user terminal is dependent on an operating system of the user terminal**(Col. 1 lines 14-21, Col. 4 lines 14-19);; a means for **displaying a screen** in window format, **using functionality of the operating system, if it is determined that display format is dependent on an operating system**(Col. 1 lines 14-21, Col. 4 lines 14-19); and transmitting or receiving the data via the network to/from the user terminal, the user terminal accepting input of the key task processing in window format (Col. 6 lines 28 and 29); and a means for **displaying a screen** web format, **using a web browser, if it is determined that the display format is not dependent on an operating**from a Mac mast edition Koch

(Col. 1 lines 14-21, Col. 4 lines 14-19); and transmitting or receiving the data via the network to/from the user terminal, the user terminal accepting input of the key task processing in web format (Col. 6 lines 2-6, Col. 5 lines 30-32);

**Regarding claim 8**, Li discloses a key task processing system according to claim 7, characterized in that the user terminal which displays a screen of the key task processing in window format comprises: a data converting function which converts the data (i.e. reformatted the key task processing means into a data format processable in window format (Col. 5 lines 24-26); an input assisting function used on a screen on which the data are displayed (F1, Fig. 1C Drawing); and a display function which combines the converted data (Employee/Cust #, Fig. 1C Drawing) with the extracted input assisting function (F1, Fig. 1C Drawing) to thereby display them on the screen in window format (Col. 5 lines 24-26); wherein the means for web format transmits contents of the screen in web format in document format (i.e. ordering application) to the user terminal which accepts the input of the key task processing in web format (i.e. XML), (Fig. 1E Drawing, Col. 5 lines 35-44).

**Regarding claim 9**, Li discloses a key task processing system according to claim 7 or 8, characterized in that when the data to be used in the key task processing means are transmitted in web format to the user terminal which accepts the input of the key task processing (430, Fig. 4 Drawing) in web format (XML format, Col. 58-62, Col. 12 lines 39-42), the means for **displaying a screen in** web format extracts the input assisting function to be used on the screen on which the data are displayed and combines the extracted input assisting function (i.e. input fields) with the data (i.e. position and length

data) to thereby transmit contents of the screen in web format (XML format, Col. 12 lines 58-62).

**Regarding claim 10**, Li discloses a key task processing system according to claim 8, characterized in that the means for **displaying a screen in** web format comprises (i.e. XML format, Col. 12 lines 59 and 60): a data converting means which converts the data in the key task processing means into a data format (i.e. reformatted) processable in web format (i.e. XML format), (Col. 12 lines 39-52); an input assisting means which extracts the input assisting functions (i.e. input fields) to be used on the screen on which the data are displayed (Fig. 4 Drawing, ); and a web screen creating means which combines the data converted by the data converting means (reformatted, Col. 4 lines 55-64) with the extracted input assisting functions (Fig. 1B Drawing) to thereby create the screen (i.e. host screen) in web format (XML, Col. 4 lines 64 and 65).

**Regarding claim 12**, Li discloses a key task processing system according to claim 8, characterized in that the input assisting function receives pressing-down of the function key, or receives selection of the name of the input assisting function on the screen using a pointing device, and executes the related input assisting function at the user terminal (Col. 14 lines 19-25). **Note:** It is inherent that the function key will be pressed down to execute the related input assisting function.

**Regarding claim 13**, Li discloses a key task processing system according to claim 7, characterized in that the key task processing means, when a new table or row is added (Fig. 1D Drawing), adds any one of predetermined character, number or symbol to a



head of the table name or the row name (Position, Fig. 1 Drawing) and stores (i.e. saves) it in the key task processing database (425 Fig. 4 Drawing), and when data of the key task processing database are saved, saves a table or a row predetermined by the key task processing means (save table, Fig. 4 Drawing) and a table or a row having the predetermined character, number or symbol at the head of the table name or the row name (425 Fig. 4 Drawing, Col. 12 lines 49-52). Note: The table saved includes the data at the head (i.e. top row) of the table (Fig. 1D Drawing).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Li et al (US Patent No. 6,643,825 hereinafter, "Li") in view of De Boor et al (US Patent No. 6,470,381 hereinafter, "De Boor").

**Regarding claim 11**, Li discloses a key task processing system according to claim 8, characterized in that the input assisting functions are related with function keys on a keyboard of the user terminal (Col. 4 lines 14-26). Li does not explicitly show when a cursor position is changed on the screen, the key task processing system changes a corresponding relationship between the input assisting functions and the function keys

and changes display of the names of the input assisting functions on the screen according to the change of the corresponding relationship but does show disclose the the input assisting functions displayed on the screen in window format or the screen in web format allocate input assisting functions (window format, Fig. 5 Drawing) related with **a cursor** (i.e. position and length data) on the screen currently displayed (Col. 12 lines 60-66).

However, De Boor discloses function keys that have variable functionality that change depending on the particular screen display of the user interface being shown (Col. 9 lines 14-22).

It would have been obvious to one skilled in the art at the time of invention to combine the variable function keys as taught by De Boor with the input assisting function of Li to efficiently access functions on a new screen display.

Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over Li et al (US Patent No. 6,643,825 hereinafter, "Li") in view of Tanaka et al (US Patent No. 6,247,066 hereinafter, "Tanaka").

**Regarding claim 14**, Li discloses a key task processing system according to claim 7, characterized in that when the key task processing means stores the row newly added by a user in the key task processing database (more fields, Fig. 4 Drawing). Li does not explicitly show a function which is set by accepting the setting of a row name, a data type and a data length of the added row as arguments of the function executes a

writing/saving processing stores the data of the newly added row in the key task processing database.

However Tanaka discloses a compound document processing system that adds a new row the command argument and inserts the name and meaning of the argument into the added row (Col. 12 lines 1-8). Furthermore Tanaka discloses the row in the table stores the types and corresponding functions (Col. 6 lines 62-67).

It would have been obvious to one of ordinary skill in the art at the time of invention to include the compound document processing system as taught by Tanaka with the key task processing system of Li to efficiently and effectively improve the processing of added rows in a program.

Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Li et al (US Patent No. 6,643,825 hereinafter, "Li") in view of Rivette et al (US Patent No. 5,754,840 hereinafter, "Rivette").

**Regarding claim 15**, Li discloses a key task processing system according to claim 7, characterized in that the user terminal which accepts the input of the key task processing in window format includes a menu but fails to explicitly show an additional menu definition file which defines contents of additional menu items to be displayed on a menu bar provided in a frame of the screen in window format or on a menu area provided in the screen in window format; and an additional menu display/calling execution file which reads a menu title or a menu button, which is added to the menu bar on the display of the menu items in the menu area, and an additional menu group,

which is displayed on a drop-down menu or an additional menu list when the menu title or the menu button is selected, from the additional menu definition file, displays them on the menu bar or on the screen in window format, and reads and executes a related execution file, with which the additional menu is related, when the additional menu is selected.

However Rivette discloses an edit drop down menu on a menu bar (Col.10 lines 59-61) and adding a command button or menu command to a menu command button (i.e. addition menu item/menu button) in the word processing window (i.e. screen in window format) and the action is performed (i.e. executes a related execution file, with the addition menu is related when the addition al menu is selected), (Col. 10 lines 62-67, Col. 11 lines 1-5)

It would have been obvious to one of ordinary skill in the art at the time of invention to include the additional menu item as taught by Rivette with the key task processing system of Li to efficiently manipulate a word processing document.

Regarding claim 17, discloses the key task processing system according to claim 11, “characterized in that the input assisting functions are related with function keys on a keyboard of the user terminal, and when the screen is changed, the key task processing system changes a corresponding relationship between the input assisting functions and the function keys and changes display of the names of the input assisting functions on the screen according to the change of the corresponding relationship” Note Li discloses the storage medium according to claim 4, characterized in that the input assisting

functions displayed on the screen in window format or the screen in web format allocate input assisting functions (window format, Fig. 5 Drawing) related with **a cursor** (i.e. position and length data) on the screen currently displayed (Col. 12 lines 60-66).

### ***Response to Arguments***

Applicant's arguments filed 11/20/2007 have been fully considered but they are not persuasive, however the 112 first paragraph and second paragraph rejections have been withdrawn.

Regarding claim 1, Applicant argues that Li fails to disclose determine whether a display format of the user terminal is dependent on an operating system of the user terminal, display a screen in window format, using functionality of the operating system, on a display section of the user terminal if it is determined that the display format is dependent on an operating system and **display a screen in web format**, using a web browser, on the display section of the user terminal if it is determined that the display format is **not dependent on an operating system**. However, Applicant admits that **web formats such as HTML and XML do not depend on the OS** in Paragraph 0006 of the Specifications. In response, Li discloses it is known to use script languages, such as **Extensible Markup Language (XML)**, to provide terminal emulation for legacy host based applications and the data provided by the applications. For example, data provided by host applications traditionally accessed using 3270 terminal emulation may be reformatted using XML, which can enable the data and application to be accessed via a **World Wide Web (WWW) browser** (i.e. in web format using a web browser) rather than a video terminal (Col. 1 lines 14-21, Col. 4 lines 14-19).

Regarding claim 11, Applicant argues De Boor fails to explicitly show a corresponding relationship between the input assisting functions and the function keys. In response, De Boor clearly discloses "function keys" that have variable functions (i.e. input assisting functions) that change depending on the particular screen display on the user interface being shown (Col. 9 lines 14-22). It is understood that the function keys change and furthermore Li discloses that input assisting functions displayed on the screen in window format or the screen in web format allocate input assisting functions (window format, Fig. 5 Drawing) related with a cursor (i.e. position and length data) on the screen currently displayed (Col. 12 lines 60-66).

Regarding claim 14, applicant argues the examiner does not point to any portion of Tanaka that discloses the required data type and data length argument. Note that applicant discloses in Paragraph 0121 that "in order to execute the writing and saving processings, the row name, a type of data to be inputted into the row (an integer type (int type), a floating point type (float type), a character string type (char type) and the like), and a length of data to be inputted into the row (bite count) are not determined". In response, Tanaka clearly discloses Fig. 4 stores therein the types of the commands (i.e. data types) corresponding to the respective functions, and the command input/conversion section carries out its operating according to the command type (Col. 6 lines 62-67). Furthermore Tanaka discloses the required data type (i.e. function/type) and data length argument (i.e. fontsize, line width) in Fig. 4 Drawing and the argument values, 1406 in Fig. 14B/15 of the Drawing. Applicant admits that the data length is the bite count.

Regarding claim 15, applicant gives emphasis to could also be used and argues that Rivette fails to show "an additional menu definition file which defines contents on additional menu items to be displayed on a menu bar. In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, Rivette discloses adding a command button or menu command in the word processing window. Furthermore, Rivette clearly discloses the additional menu bar (350, Fig. 3 Drawing) which clearly show additional items and elements on the menu bar which carry functionality to execute by calling instructions read on a menu".

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRANDON PARKER whose telephone number is (571)270-1302. The examiner can normally be reached on M-F 9-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on 571-272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Brandon Parker  
BP  
Patent Examiner



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/David A Wiley/  
Supervisory Patent Examiner, Art Unit 2174